G-Biosciences Image not found or type unknown

Immunotag™ CD19 mouse mAb

Antibody Specification

Catalog No.	ITM1465
Product Description	Immunotag™ CD19 mouse mAb
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	CD19
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	IF,FC
Recommended Dilution	icc dilution 1:100
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Mouse
Immunogen	Purified recombinant fragment of human CD19 expressed in E Coli
Specificity	This antibody detects endogenous levels of CD19 and does not cross-react with related proteins.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	CD19
Accession No.	P15391 P25918
Alternate Names	Antibody deficiency due to defect in CD19; AW495831; B lymphocyte antigen CD19; B lymphocyte surface antigen B4; B-lymphocyte antigen CD19; B-lymphocyte surface antigen B4; B4; CD19; CD19 antigen; CD19 molecule; Cd19 protein; CD19_HUMAN; CVID3; Differentiation antigen CD19; Leu 12; Leu-12; Leu12; MGC109570; MGC12802; T-cell surface antigen Leu-1.

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Description	CD19 molecule(CD19) Homo sapiens Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. [provided by RefSeq, Jul 2008],
Cell Pathway/ Category	Hematopoietic cell lineage,B_Cell_Antigen,Primary immunodeficiency,
Protein Expression	B-cell,Blood,Spleen,Tonsil,
Subcellular Localization	intracellular,plasma membrane,integral component of plasma membrane,external side of plasma membrane,integral component of membrane,protein complex,extracellular exosome,
Protein Function	disease:Defects in CD19 are a cause of hypogammaglobulinemia [MIM:107265].,function:Assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.,online information:CD19 mutation db,PTM:Phosphorylated on serine and threonine upon DNA damage, probably by ATM or ATR. Phosphorylated on tyrosine following B-cell activation.,similarity:Contains 2 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Forms a complex with CD21, CD81 and CD225 in the membrane of mature B cells. Interacts with VAV. Interacts with GRB2 and SOS when phosphorylated on Tyr-348 and/or Tyr-378. Interacts with PLCG2 when phosphorylated on Tyr-409.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.